



34019US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bruce B. Randolph, Marvin M. Johnson, and Glenn W. Dodwell

For: ISOPARAFFIN-OLEFIN ALKYLATION

**LETTER**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attached hereto for filing in the United States Patent and Trademark Office is the patent application identified above. This application includes an executed assignment and 0 sheet(s) of drawings.

The filing fee has been computed as follows:

Basic Fee	\$750.00
Additional Fees:	
Total Number of claims (whether independent or dependent over 20, times \$18.00	\$162.00
Number of independent claims over 3, times \$84.00	\$000.00
Multiple Dependent Claims (\$280)	
TOTAL Filing Fee	\$912.00

Please charge Deposit Account 16-1575 in the amount of the total filing fee stated above. The Commissioner is hereby authorized to charge any additional fees which may be required under 37 CFR 1.16 or 37 CFR 1.17, or credit any overpayment, to Deposit Account 16-1575, but is not authorized to charge any fee provided for under 37 CFR 1.18.

If the Examiner wishes to contact representatives of record concerning the accompanying application prior to the first Official Action, such contact should be made with the undersigned.

The following references are called to the Examiner's attention.

U. S. Patent 6,177,058 discloses compositions that are intimate mixtures of hydrogen fluoride and a polymer.

U. S. Patent 5,877,383 discloses contacting a hydrocarbon feedstock and an olefinic alkylating agent with a catalyst composition containing an acid selected from the group of fluorinated alkane sulfonic acids and recovering a product stream of alkylated hydrocarbons.

U. S. Patent 5,849,965 discloses alkylating a relatively unreactive paraffinic substrate in a primary stage and alkylating a more reactive aromatic substrate in the secondary stage.

U. S. Patent 5,663,474 discloses an alkylation process using a hydrogen fluoride-containing alkylation catalyst.

U. S. Patent 5,659,105 discloses a process for the alkylation of aliphatic hydrocarbons with olefins catalyzed by a silica-based material characterized in that the surface Si-OH groups of said silica are esterified with a fluoroalkylsulfonic acid.

The following European reference is also called to the Examiner's attention.

European Patent EP 0 889 848 B1 discloses liquid and solid anhydrous hydrogen fluoride compositions which are less hazardous than hydrogen fluoride wherein the compositions consist essentially of intimate mixtures of anhydrous hydrogen fluoride and a water-soluble polymer.

Respectfully submitted,

RICHMOND, HITCHCOCK,
FISH & DOLLAR

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<p>"Express Mail" Mailing Label Number: <u>EJ322669342US</u></p> <p>Date of Deposit: <u>16 September 2003</u></p> <p>I hereby certify that this fee letter is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated and is addressed to the Commissioner for Patents, Alexandria, VA 22313-1450, on</p> <p><u>16 September 2003</u> (Date)</p> <p><u>Bronwyn A. Welvaert</u> Bronwyn A. Welvaert</p>
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CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Commissioner for Patents
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Sir:

I hereby certify that this application is being deposited with the United States Postal Service "Express Mail Post Office To Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Alexandria, VA 22313-1450.

Respectfully submitted,

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